

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1-3 (canceled).

4. (previously presented): A drive unit including an electric motor, a drive unit casing accommodating therein the electric motor, an inverter that controls the electric motor, and a flow passage of a refrigerant that cools the inverter, the drive unit characterized in that the inverter is mounted on the drive unit casing such that a heat sink united with a substrate of the inverter defines a space on a portion thereof opposed to the drive unit casing, the space is communicated to the flow passage of the refrigerant, the heat sink comprises heat-sink side fins extending into the space toward the drive unit casing, separation means (6) for preventing thermal conduction is provided in the space, wherein the separation means comprises a plurality of separation members (60) with a space (R3) there between, and both the heat-sink side fins and the drive unit casing contact directly with the separation means.

5-12 (canceled).

13. (previously presented): A drive unit including an electric motor, a drive unit casing accommodating therein the electric motor, an inverter that controls the electric motor, and a flow passage of a refrigerant that cools the inverter, the drive unit characterized in that the inverter is mounted on the drive unit casing such that a heat sink united with a substrate of the inverter defines a space on a portion thereof opposed to the drive unit casing, the space is communicated to the flow passage of the refrigerant, the heat sink comprises heat-sink side fins extending into the space toward the drive unit casing, the drive unit casing comprises drive-unit-casing side fins extending into the space toward the heat sink, separation means (6) for preventing thermal conduction is provided in the space, wherein the separation means comprises a low thermal conductive member (61), wherein the low thermal conductive member is shaped to follow contact portions of the heat-sink side fins and the drive-unit-casing side fins, and both the heat-sink side fins and the drive unit casing contact directly with the separation means, such that both the heat-sink side fins and the drive unit side fins cooperatively generate a common refrigerant flow pattern.

14 - 16 (canceled).